

| SERVICE CLASS |
|------------------------------|
| SERVICE NAME |
| SERVICE ICON |
| SERVICE LOCATION INFORMATION |
| INPUT |
| OUTPUT |
| PARAMETER RESTRICTION RULES |
| SERVICE LOCATION |
| METHOD NAME |
| INVOCATION SCHEME |
| IMPLICIT ELEMENTS |
| |

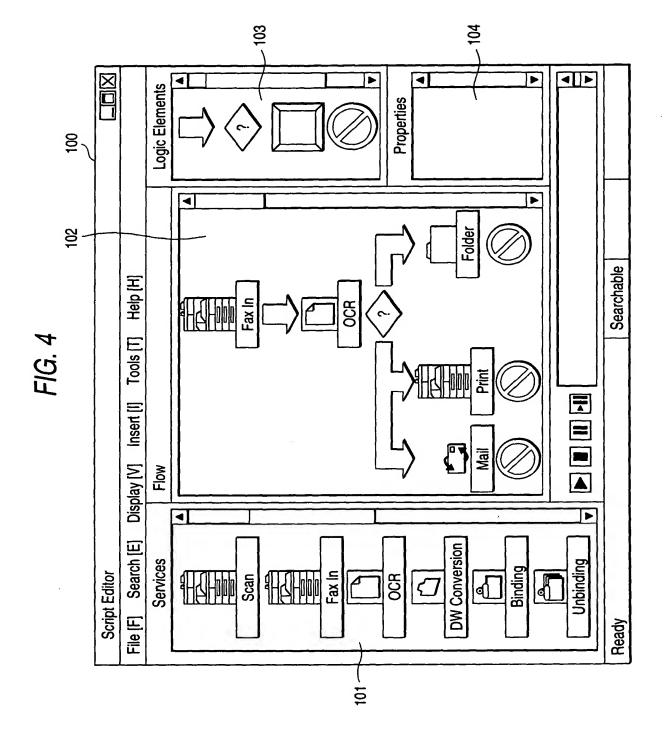


FIG. 5

| SERVICE CLASS |
|--|
| SERVICE NAME |
| SERVICE ICON |
| SERVICE LOCATION INFORMATION |
| INPUT |
| OUTPUT |
| PARAMETER RESTRICTION RULES |
| SERVICE LOCATION |
| METHOD NAME |
| INVOCATION SCHEME |
| IMPLICIT ELEMENTS |
| FLOW (INVOKE, MAP, METHOD) (CONTROL STRUCTURE, LOGICAL OPERATIONS) |

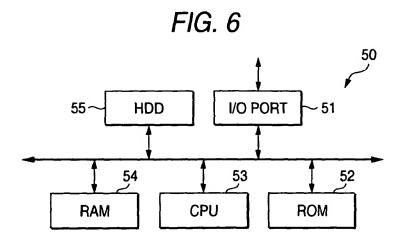


FIG. 7

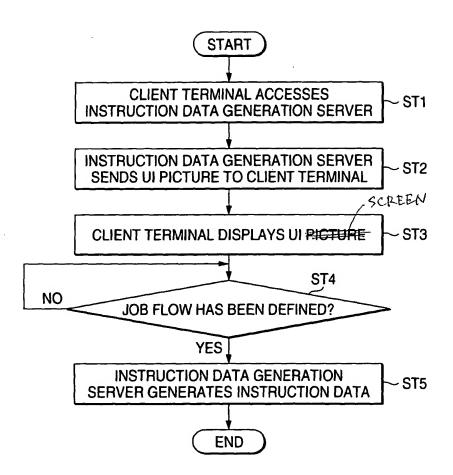


FIG. 8

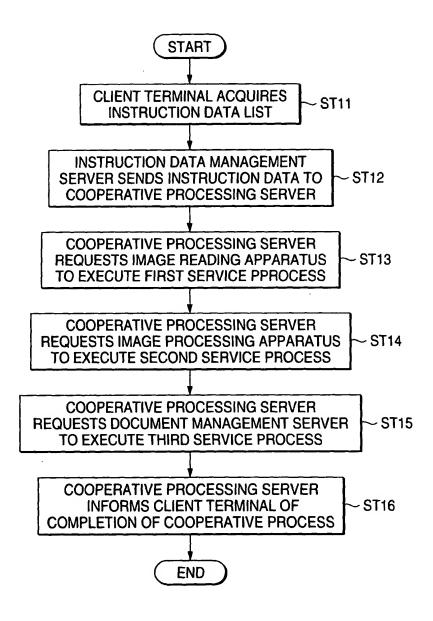
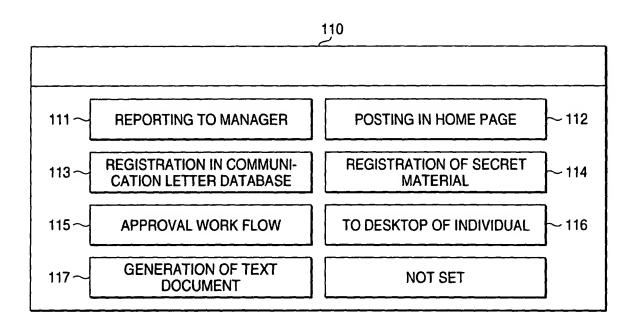


FIG. 9



```
<!- INSTRUCTION DATA AFTER END OF FIRST SERVICE -->
< Flow id = "0123456789" >
       < exec >
               < service name = "OCR" >
                      < param name = "POLICY" value = "SPEED PRIORITY" / >
               </service>
               < service name = "STORAGE" >
                      < param name = "LOCATION" value = "ftp: / / server / folder" / >
               </service >
       </exec>
       < log >
               < service name = "SCAN" >
                       < result value = "SUCCESS" / >
               </service>
       </\log>
< / Flow >
```

```
< i - NEW INSTRUCTION DATA GENERATED AFTER FAILING IN PERFORM IN SECOND SERVICE - - > < Flow type = "once" reserved-id = "0123456789" >
                                                                                                                                                                                                                                                                                                            < /service >
                                                                                                                  // server / folder" />

                                                              < param name = "POLICY" value = "SPEED PRIORITY" / >

                                                                                                                                                                                                                                                                                                                                                                                                                                                          < service name = "OCR" >
< result value = "TIME-OUT ERROR" / >
                                                                                                                                                                                                                                                                                                                                                                                                   < service name = "SCAN" > < result value = "SUCCESS" / >
                                                                                                                                                                                                                                                                                                          < service name = "STORAGE" >
                                                                                                                < service name = "STORAGE" >
                                                                                                                                                                                                                 < location type = "temporary" / >
                                                                                                                                                                                                                                                                                                                                                                                                                                              </service >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     </e>
                                                                                                                                                                                                                                                                        < Flow id = "0123456789" >
                                                            < service name = "OCR" >
                                                                                                                                                                                                                                                                                                                                                                      < / exec >
                                                                                                                                                                                                                                                                                            < 9xec >
                                                                                                                                                                                                                                      < / document >
                                                                                                                                                                                                < document >
```

FIG. 13

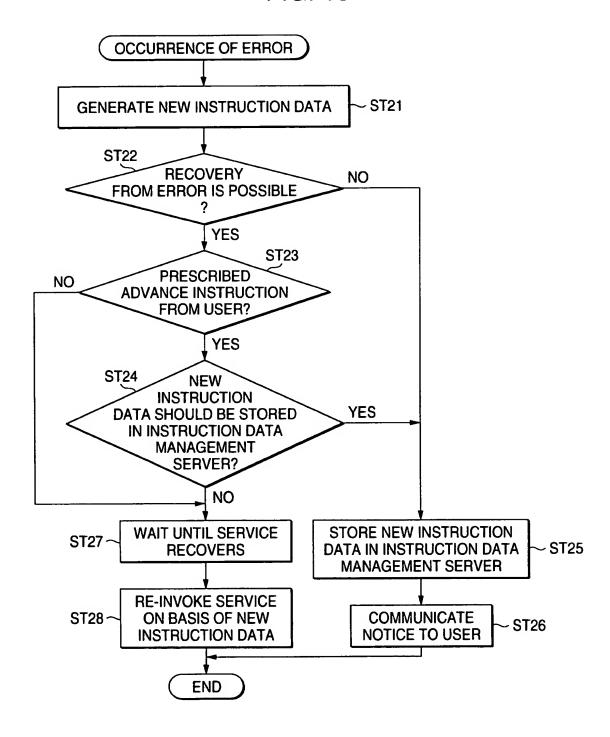


FIG. 15

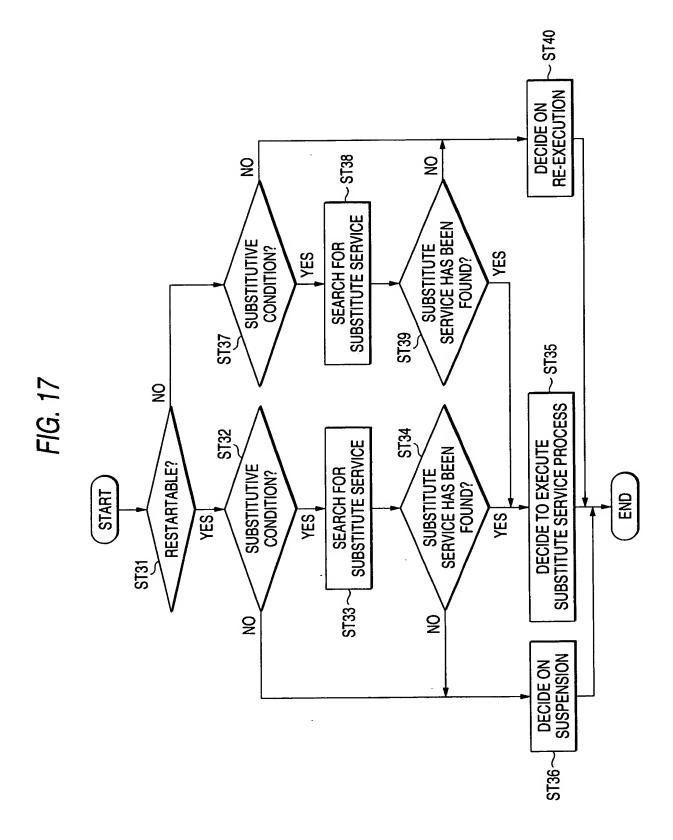


FIG. 18

| SUBSTITUTE | PRE | PRESENT | H |
|-------------|--|---|--------------|
| RESTARTABLE | SUBSTITUTE SERVICE IS FOUND BY SERARCH | NO SUBSTITUTE SERVICE IS FOUND BY SERARCH | ABSEINI |
| TRUE | SUBSTITUTE SERVICE | SUBSTITUTE SERVICE SUSPENSION | SUSPENSION |
| FALSE | SUBSTITUTE SERVICE | SUBSTITUTE SERVICE - RE-EXECUTION | RE-EXECUTION |